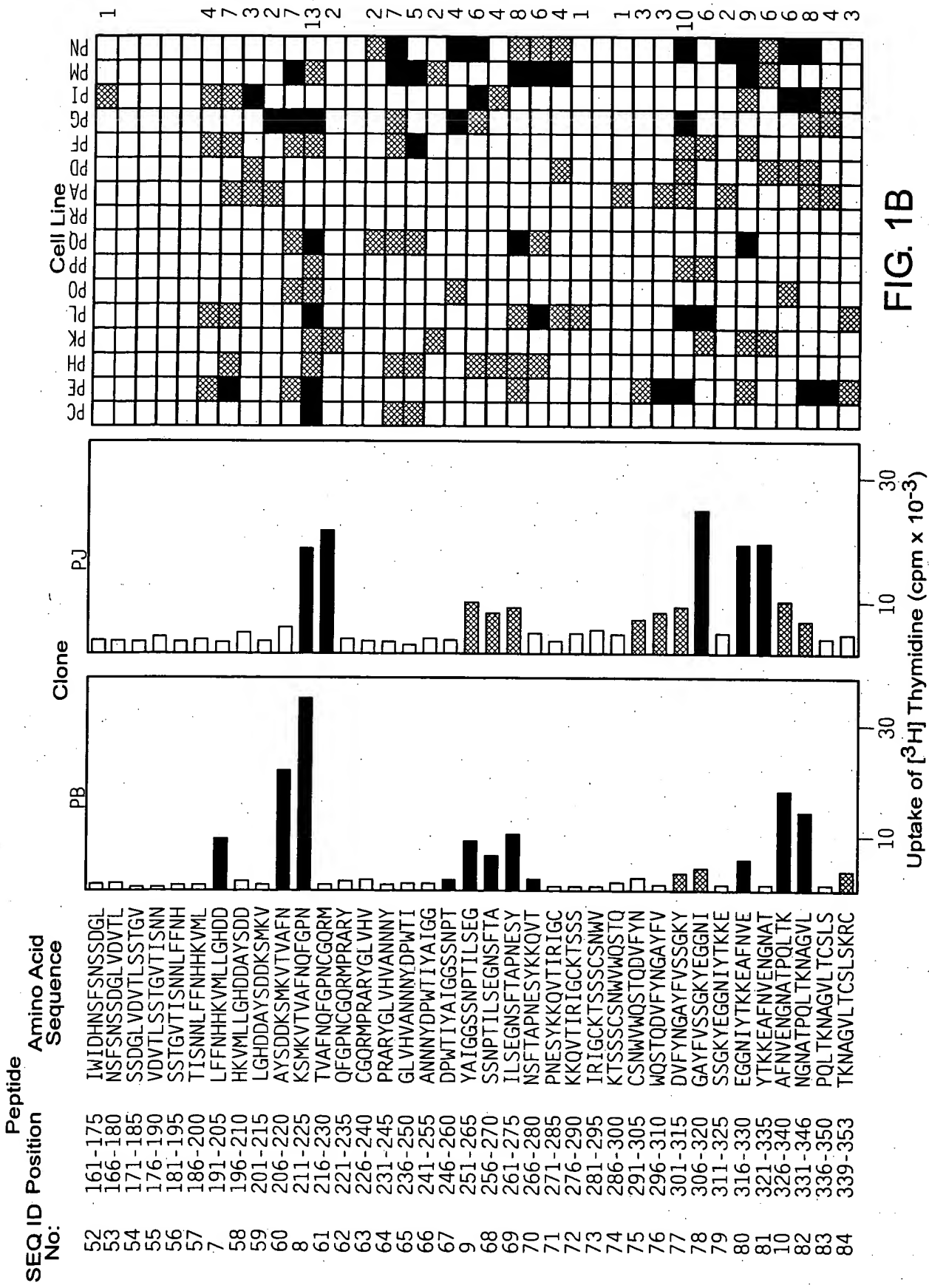
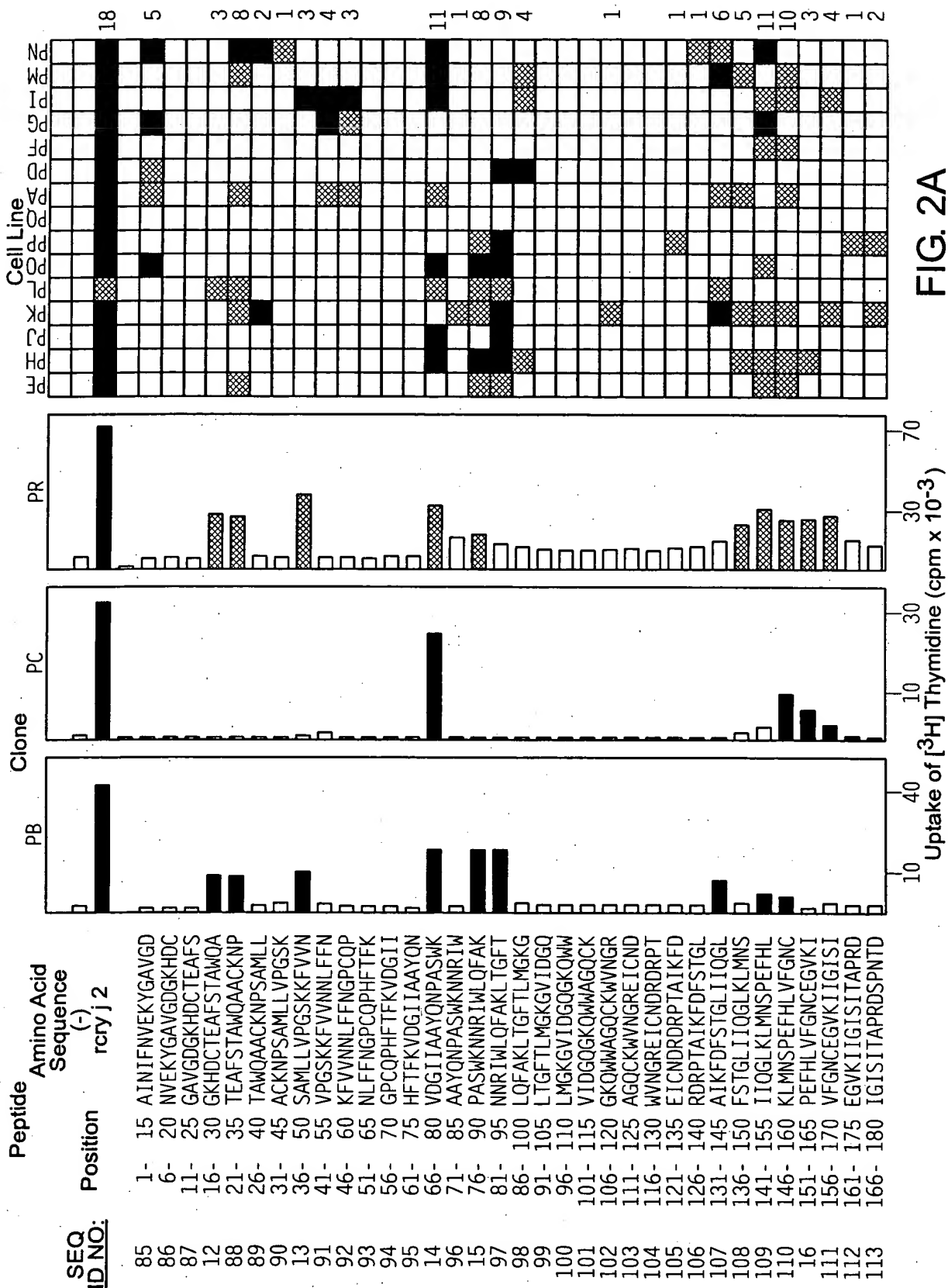
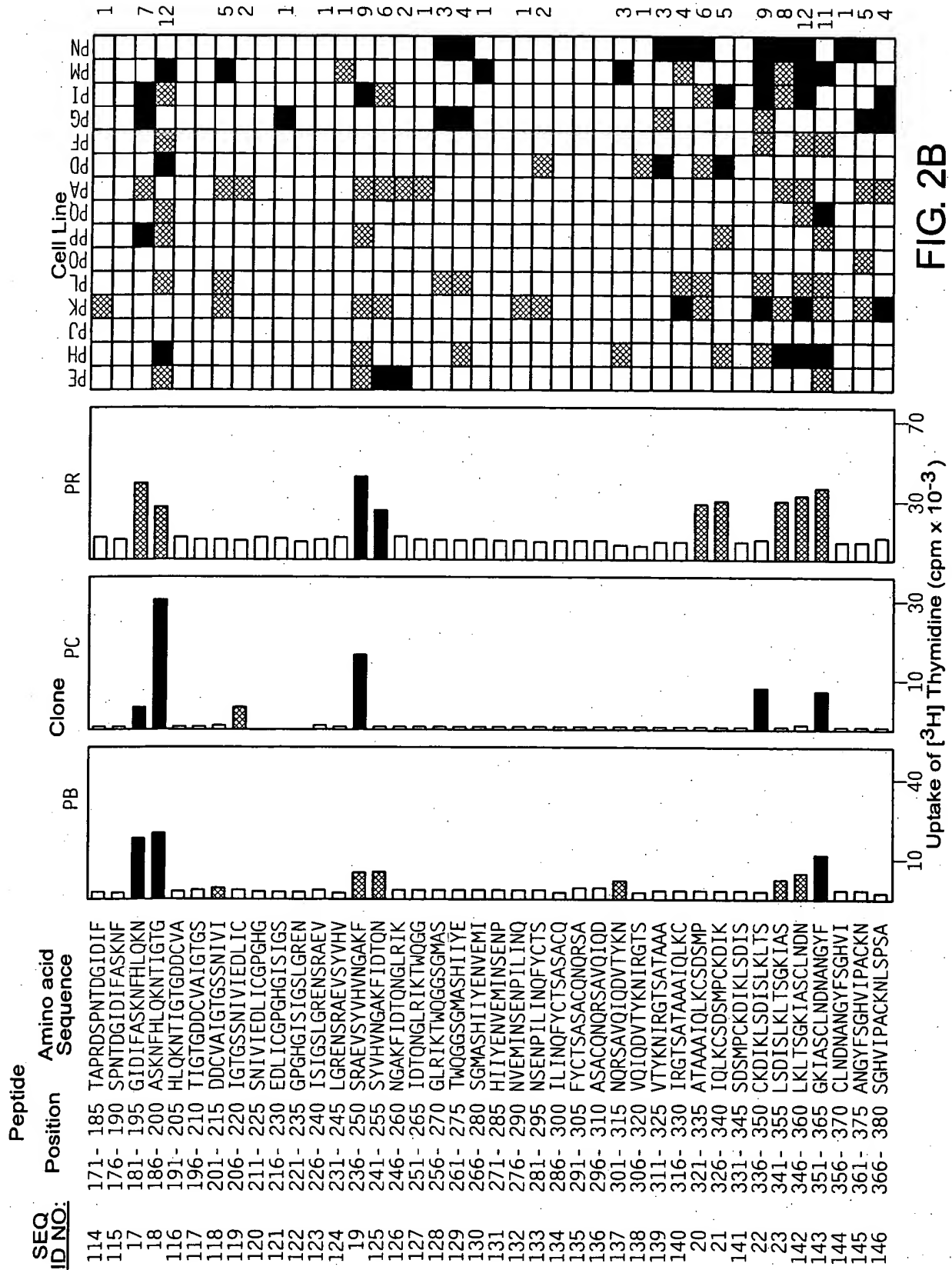
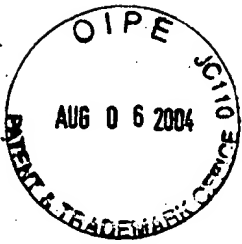


FIG. 1A









TH TYPE OF T CELL CLONE CAPABLE OF RECOGNIZING CRY J 1

T CELL CLONE	EPITOPE SITE		RESTRICTION MOLECULE	LYMPHOKINE PRODUCTION (pg/ml)			Th* TYPE
	NO.	POSITION		IL-2	IFN γ	IL-4	
PJ4-6	4	16-30	DQA1*0102 DQB1*0602	<31	1500	334	Th0
PB8-1	4	16-30	DQA1*0102 DQB1*0602	<31	<31	814	Th2
PB9-37	13	61-75	DPA1*0101-DPB1*0501	<31	<31	7760	Th2
PB10-24	13	61-75	DPA1*0101-DPB1*0501	39	151	4500	Th2
PJ1-27	19	91-105	DQ	32	1220	224	Th0
PB3-27	22	106-120	DRB5*0101	250	332	21000	Th2
PB8-2	22	106-120	DRB5*0101	190	2110	5709	Th0
PB8-3	22	106-120	DRB5*0101	<31	1270	10100	Th0
PB9-39	22	106-120	DRB5*0101	48	51	5120	Th2
PB10-18	22	106-120	DRB5*0101	410	46	7840	Th2
PJ4-29	22	106-120	DRB5*0101	4680	14200	6610	Th0
PJ7-9	22	106-120	DRB5*0101	1370	1040	12200	Th2
PJ5-6	30	146-160	DQA1*0102-DQB1*0602	1500	1170	5920	Th0
PJ5-9	30	146-160	DQA1*0102-DQB1*0602	1720	825	266	Th0
PB11-21	31	151-165	DRB1*0901	4190	>20000	4510	Th0
PB11-24	31	151-165	DRB1*0901	670	11700	1950	Th0
PB6-37	31	151-165	DRB1*0901	<31	<31	49	Th2
PB1-8	39	191-205	DQA1*0102-DQB1*0602	820	188	1760	Th0
PB9-34	39	191-205	DRB1*0901 or DRB4*0101	<31	86	1680	Th2
PB2-14	43	211-225	DPA1*0101-DPB1*0501	<31	376	2320	Th0
PB7-2	43	211-225	DPA1*0101-DPB1*0501	84	2740	2080	Th0
PB8-32	43	211-225	DPA1*0101-DPB1*0501	<31	4870	1840	Th0
PB8-34	43	211-225	DPA1*0101-DPB1*0501	78	14800	3040	Th0
PB11-23	43	211-225	DPA1*0101-DPB1*0501	<31	3990	1260	Th0
PB11-26	43	211-225	DPA1*0101-DPB1*0501	32	1100	6520	Th0
PB4-20	43	211-225	DPA1*0101-DPB1*0501	<31	<31	133	Th2
PB10-4	43	211-225	DPA1*0101-DPB1*0501	<31	<31	4170	Th2
PB8-4	51	251-265	DQA1*0102-DQB1*0602	44	36	4050	Th2
PJ4-20	66	326-340	DQA1*0102-DQB1*0602	560	3080	<32	Th1

FIG. 3



TH TYPE OF T CELL CLONE CAPABLE OF RECOGNIZING CRY J 2

T CELL CLONE	EPITOPE SITE		RESTRICTION MOLECULE	LYMPHOKINE PRODUCTION (pg/ml)			Th* TYPE
	NO.	POSITION		IL-2	IFN γ	IL-4	
PB5-29	4	16-30	DRB1*0901 or DRB4*0101	<31	503	97	Th0
PB11-40	4	16-30	DRB1*0901 or DRB4*0101	<31	<31	50	Th2
PB14-4	4	16-30	DRB1*0901 or DRB4*0101	<31	<31	<16	Thp
PB12-33	8	36-50	DRB1*1501	<31	>8000	<16	Th1
PR2-25	8	36-50	DRB1*1501	47	<31	977	Th2
PR5-40	8	36-50	DRB1*1501	1150	1330	355	Th0
PB3-32	14	66-80	DRB5*0101	<31	<31	323	Th2
PB4-21	14	66-80	DRB5*0101	<31	109	239	Th0
PB4-22	14	66-80	DRB5*0101	<31	483	158	Th0
PC1-8	14	66-80	DRB5*0101	<31	2710	32	Th1
PR4-20	14	66-80	DRB5*0101	<31	312	338	Th0
PR3-21	14	66-80	DRB5*0101	<31	<31	338	Th2
PB13-18	17	76-90	DPA1*0101-DPB1*0501	<31	3320	231	Th1
PB11-32	17	76-90	DPA1*0101-DPB1*0501	138	60	2090	Th2
PR1-20	31	151-165	DRB1*0901	<31	<31	18	Th2
PR4-39	31	151-165	DRB1*0901	<31	<31	<16	Thp
PB14-5	37	181-195	DPA1*0101-DPB1*0201	87	126	469	Th0
PB14-13	37	181-195	DPA1*0101-DPB1*0201	<31	59	2440	Th2
PB14-34	38	186-200	DRB4*0101	186	420	93	Th0
PC3-40	38	186-200	DRB4*0101	<31	<31	379	Th2
PB5-3	48	236-250	DRB1*1501 or DRB5*0101	2570	>8000	525	Th1
PR2-34	65	321-335	DRB1*0901	57	1990	464	Th0
PR3-30	66	326-340	DQA1*0102-DQB1*0602	<31	106	<80	Th1
PR5-18	66	326-340	DQA1*0102-DQB1*0602	<31	<31	<16	Thp
PC1-13	68	336-350	DPA1*0202-DPB1*0501	<31	<31	<16	Thp
PB12-8	69	341-355	DQA1*0102-DQB1*0602	<31	3210	<16	Th1
PR5-12	69	341-355	DQA1*0102-DQB1*0602	<31	<31	2528	Th2
PR2-31	69	341-355	DQA1*0102-DQB1*0602	<31	<31	332	Th2
PB14-19	70	346-360	DQA1*0102-DQB1*0602	<31	3730	<16	Th1
PB13-38	70	346-360	DQA1*0102-DQB1*0602	<31	2020	<16	Th1

FIG. 4

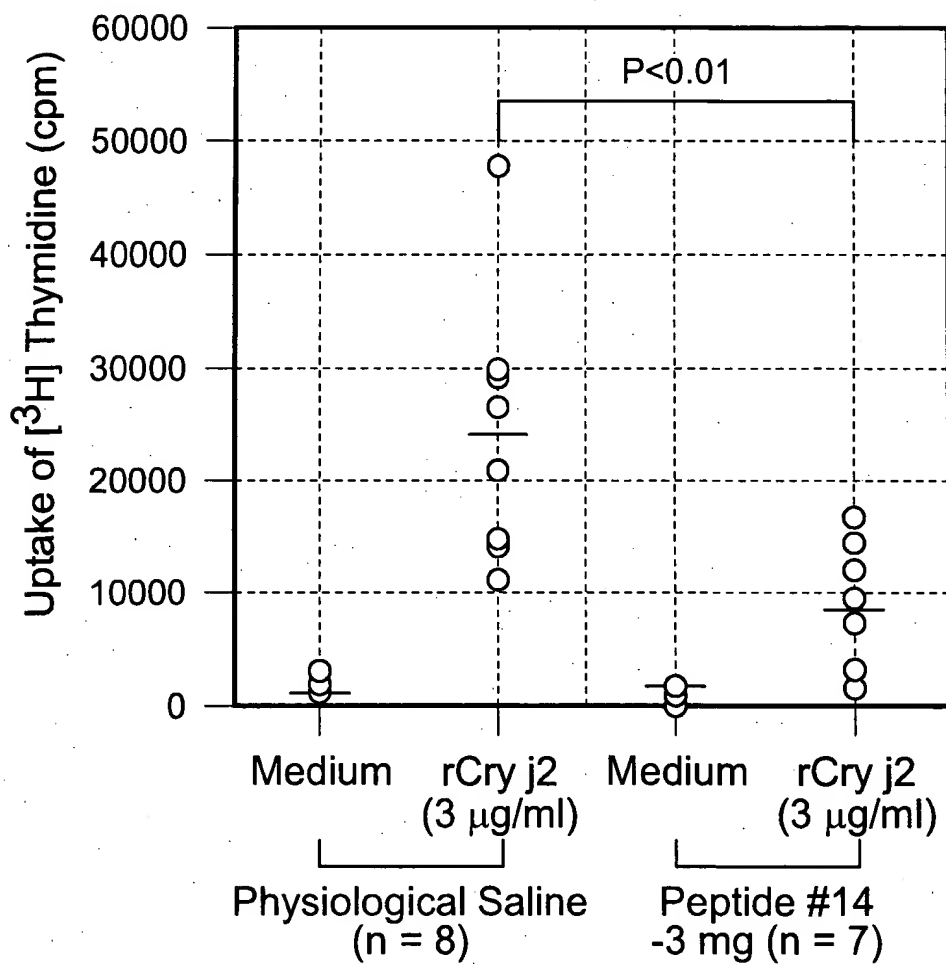
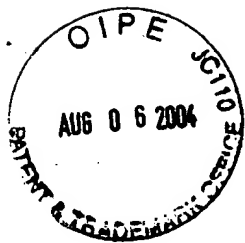


FIG. 5

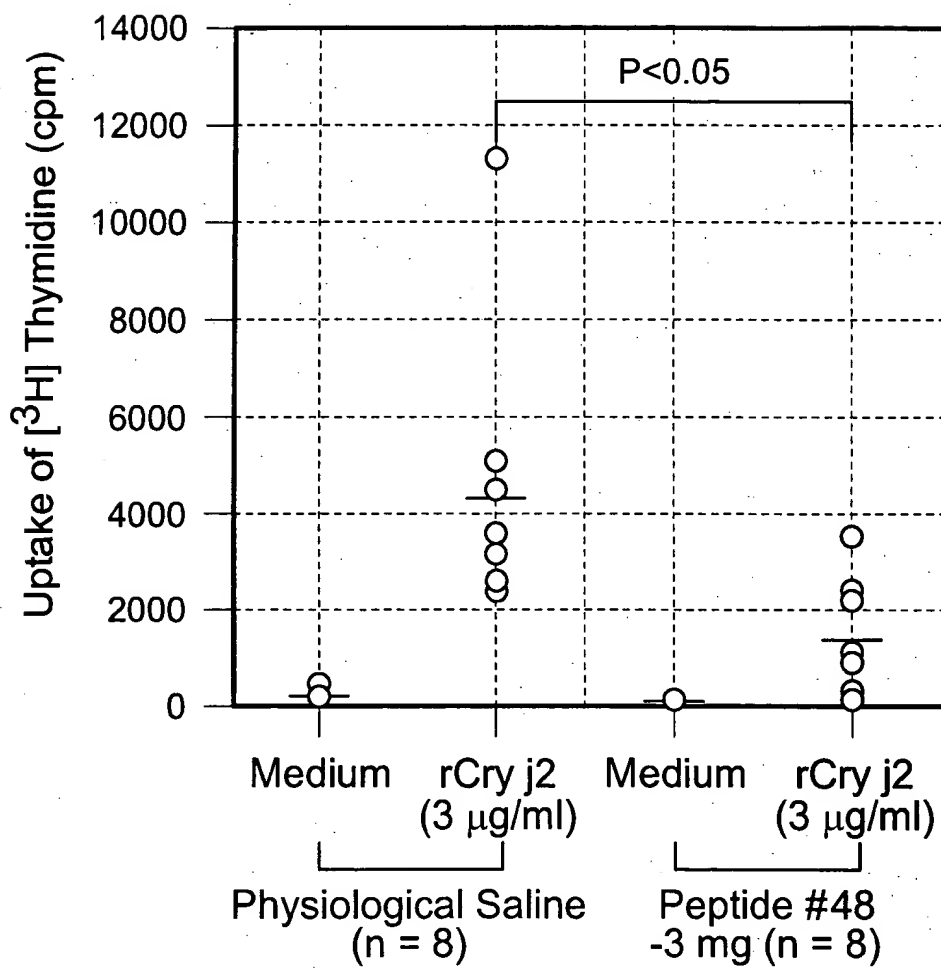
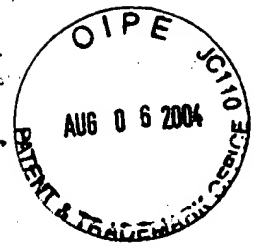


FIG. 6